

NOTES ON A COLLECTION OF BIRDS FROM MADRAS PRESIDENCY¹

BY

WALTER KOELZ

In 1937 I spent from January 21 to March 27 in Madras Presidency on a botanical mission. During a part of this period I was able to devote my spare time to making a collection of birds. The principal localities and dates for such collections follow: Mahendra Giri and environs (now in Orissa Province) January 21-30; Ellore, February 2; Nilgiri Hills (crest) February 14-21; Palmi Hills (crest), March 10-15; Nilambur, February 23 and March 3-6; Malabar Coast: Tellicherry, February 25; Kasargod, February 27; Mangalore, March 1; Kodur, March 18, 19; Cuddapah, March 19, 20; Sidhout, March 20-23; Hospet, March 24, 25.

In the series of papers on 'The Vernay Scientific Survey of the Eastern Ghats' (Ornithological Section) by Hugh Whistler, assisted by N. B. Kinnear, beginning in the *Journal of the Bombay Natural History Society*, Vol. xxxv, p. 505, and ending in Vol. xxxix, p. 463, has been given a resumé of the existing data on the occurrence and distribution of birds in Madras Presidency.

The present collection has yielded data on species not given in this resumé and on many forms of which, up to now, there have been but few records in the area under consideration.

The specimens referred to are preserved in my collection.

Dendrocitta formosae sarkari Kinnear and Whistler.

A male was taken January 23, 1937 on Mahendra Giri, W 139 mm.

Dendrocitta vagabunda parvula Kinnear and Whistler.

A female taken at Nilambur, March 5, W 134 mm.

Dendrocitta vagabunda vernayi Kinnear and Whistler.

Male taken at Sidhout, March 22, W 151 mm. Female taken at Kodur March 18, W 144 mm.

Dendrocitta leucogastra Gould.

Common at Nilambur where four were taken February 23, March 4 and 5, W 3 ♂ 142-149, ♀ 146 mm.

Parus major stupae Koelz.

Three ♂ and two ♀ were taken at Ootacamund, February 14 and 16.

Machlolophus xanthogenys aplonotus (Blyth).

Three specimens were taken on Mahendra Giri, January 24, 25.

Machlolophus xanthogenys travancorensis Kinnear and Whistler.

Three specimens were taken at Kodaikanal, March 10, 11.

¹ The manuscript of this useful paper was received in 1939 just before the War started. The undue delay in its publication is regretted. The editors take no responsibility for the several new races introduced by the author. The last word on the validity of many of them has yet to be said. Readers are referred to the comments of the late Hugh Whistler on some of these new Indian races (described by Dr. Koelz in *Proc. Biol. Soc., Washington*, 52, June 5, 1939, pp. 61-82) in Vol. xliii of the *Journal, B.N.H.S.*, pp. 33-38—Eds.

Sitta frontalis simplex Koelz.

Specimens taken: Mahendra, January 24, 25, ♂, 2 ♀♀; Ootacamund, February 14, 16, 2 ♂♂, 3 ♀♀; Kodaikanal, March 10, ♀.

Trochalopteron caccinans caccinans (Jerdon).

Three specimens were taken at Ootacamund, February 14, 16.

Trochalopteron jerdoni fairbanki Blanford.

Common at Kodaikanal where 6 specimens, W 88-91 mm., were taken March 10-14.

Turdoides griseus griseus (Gmelin).

Male taken at Coimbatore, February 11, W 109.5 mm.; and at Sidhout, March 21, W 106 mm.

Turdoides somervillei terricolor (Hodgson)

Female, W 102 mm., was taken on Mahendra Giri on January 22; and a ♂ W 102.5 mm., at Kodur, March 18.

Turdoides somervillei malabaricus (Jerdon)

A female W 106 mm., was taken at Nilambur on February 23.

Crateropus caudata caudata (Dumont).

Three males were collected at Cuddapah, March 19, W 73-81 mm., and one at Hospet, March 25, W 76 mm.

Crateropus malcolmi (Sykes).

Two juveniles taken at Hospet, March 24 and 25.

Pomatorhinus horsfieldi horsfieldi (Sykes).

Common on Mahendra Giri were 4 adults: 3 ♂♂ W 88-96.5, ♀ 91 mm., and 2 juveniles were taken on January 23 and 24.

Pomatorhinus horsfieldi travancorensis Harington.

Common in the Palnis and Nilgiris. Specimens collected: Ootacamund, February 14-16, 2 ♂♂ W 99, 100.5, ♀ 94 mm.; Kunjapani, February 20, ♂♂ 99 mm.; Nilambur, March 4, ♂ 97 mm.; Kodaikanal, March 10-14, 5 ♂♂ 92-97 mm., and 2 juveniles.

Dumetia hyperythra hyperythra (Franklin).

2 ♂♂ W 53, 55 mm., were taken on Mahendra Giri on January 23, 24.

Dumetia hyperythra albogularis (Blyth).

A female, W 55 mm., was taken at Sidhout on March 22.

Chrysomma sinensis hypoleuca (Franklin).

Specimens taken: Saba, January 27, ♂ W 65 mm.; Kodur, March 8, W 67 mm.; Sidhout, March 21 and 22, 3 ♂♂ W 67.5-71, ♀ W 61.5 mm.; Hospet, March 25, ♂ 69 mm.

Pellorneum ruficeps ruficeps Swainson.

Four males were taken on Mahendra Giri on January 24 and 25, W 70-74.5 mm.; and one at Kunjapani, February 20, 1937, W 74 mm.

Mixornis gularis rubricapilla (Tickell).

A pair was taken on Mahendra Giri on January 25, W 59, 60.5 mm., and a ♂ at Bengasai next day, W 60 mm.

Alcippe poiocephala poiocephala (Jerdon).

4 males, W 67-72 mm., were taken at Kunjapani on February 20.

Alcippe poiocephala brucei (Hume).

Specimens taken on Mahendra Giri are like specimens from Londa, Bombay Presidency. Wings measure: 4 ♂♂ 69.5-71.5; 2 ♀♀ 70 mm.

Rhopocichla atriceps atriceps (Jerdon).

A pair was taken at Kunjapani on February 19 and 20; and at Nilambur on March 3. Wings measure 53 (juv), 56 and 55.56 mm., respectively.

Aegithina tiphia humei Stuart Baker.

Specimens taken: Mahendra, January 22, ♂ W 64.5 mm.; Bengasai, January 26, ♂ and ♀ W 65, 64 mm.; Rati, January 29, ♂ W 66.5, ♀ 64 mm.; Kunjapani, February 20, ♂ W 64 mm.; Mangalore, March 1, 2 ♂♂ W 64 mm.; Nilambur, March 6, ♂ W 63.5 mm.; pair at Kodur, March 18, W 64, 65.5 mm.; Cuddapah, March 20, ♀ W 65 mm.; Hospet, March 25, ♂ W 63.5 mm.

Chloropsis aurifrons davidsoni Stuart Baker.

Specimens were taken: Mahendra Giri, January 22, ♂ W 92 mm.; Bengasai, January 26, 2 ♀♀ 84.5, 85 mm.; Nilambur, March 3-5, 2 ♂♂ W 87, 91, 2 ♀♀ 83.5, 84 mm.; Kodur, March 18, ♂ W 90 mm.

I have skins of 2 pairs from Nilambur, probably topotypical *davidsoni*, that measure ♂♂ 87, 91, ♀♀ 83.5, 84 mm. Whistler and Kinnear (*J.B.N.H.S.*, xxxv, p. 751) separate their race *insularis* of Ceylon on the grounds of having shorter wing than *davidsoni* of Malabar and give measurements 6 ♂♂ 91-94; 3 ♀♀ 87.5-88.5 mm. They apparently should have named the race of which they list specimens from Shevaroy Hills, Palkonda Hills, Nallamalai Hills and Anantagiri, all in Madras Presidency, with wing measurements 6 ♂♂ 95-101.5; 4 ♀♀ 91.5-95 mm. Strangely I have 3 birds from Mahendra Giri, a little north of Anantagiri that measure ♂ 92, ♀ 84.5, 85 mm.

Microscelis psaroides ganeesa (Sykes).

Common at Ootacamund and Kodaikanal, where 2 ♂♂, W 118, ♀ 112 mm., and 3 ♀♀ W 110-113 mm., were taken February 14 and March 10-14, respectively.

Molpastes cafer cafer (Linnaeus).

A ♀ W 85.5 mm., was taken at Kunjapani on February 19; and a juvenile at Nilambur, March 3.

Molpastes cafer saturatus Kinnear and Whistler.

Specimens taken: Bengasai, January 26, ♂ W 99 mm.; Kodur, March 18, 2 ♂♂ W 96, 98, 2 ♀♀ 90, 91 mm.; Cuddapah, March 20, ♀ W 90 mm.; Hospet, March 24, ♂ W 97.5 mm.

Otocompsa jocosca fuscicaudata (Gould).

Specimens taken: Ootacamund, ♀, February 14; Nilambur, 2 ♂♂, March 2, 3; Kodaikanal, 4 ♂♂ and a ♀, March 10-14.

Iole icterica intensior Koelz.

Three specimens were taken at Kunjapani on February 19 and 20; and one at Kodaikanal, March 15.

Pycnonotus gularis (Gould).

2 ♀♀ W 73.5, 79.5 mm., were taken at Nilambur, March 3, 5.

Pycnonotus luteolus luteolus (Lesson).

Common in the vicinity of Mahendra Giri and specimens were taken : Bengasai, January 26, 2 adult males, W 90.5, 93 and a pair of juveniles; Rati, January 29, ♂ W 87 mm.; a juvenile female was taken at Nilambur, March 5.

Microtarsus poiocephalus (Jerdon).

A ♀ W 75 mm., was taken at Kunjapani on February 20; and a ♂ W 78.5 mm., at Nilambur on March 2.

Tarsiger brunnea brunnea (Hodgson).

4 ♀♀ W 73.5-76, were taken on Mahendra Giri, January 22-24; and one W 73 mm., February 14 at Ootacamund.

Saxicola caprata caprata (Linnaeus).

♂ taken at Hospet on March 25.

Saxicola caprata atrata (Kelaart).

Specimens taken : Ootacamund, February 16, 2 ♂♂ W 76; 3 ♀♀ 72-74 mm.; Kodaikanal, March 10-14, 2 ♂♂ W 81, 2 ♀♀ 74 mm. Two ♀ from Tellicherry, February 25, are smaller, W 69 mm., and intermediate with *rufchandi*.

Phoenicurus ochrurus rufiventris (Vieillot).

A ♂ W 87 mm., was taken at Rati, January 29.

Calliope calliope (Pallas).

A ♀ W 76 mm., was taken on Mahendra Giri, January 25.

Saxicoloides fulicata intermedia Whistler.

Specimens were taken : Mahendra, January, 26, ♂ W 73 mm.; Rati, January 27, 28, 2 ♂♂ W 72, 74 mm.; Kodur, March 18, 2 ♂ W 74, 76, ♀ W 72 mm.; Hospet, March 25, ♂ W 78 mm.

Copsychus saularis saularis (Linnaeus).

Specimens taken : Rati, January 27, ♀ W 96.5 mm.; Kunjapani, February 19, 21, ♂ W 104.5, ♀ 96 mm.; Mangalore, March 1, ♂ W 100 mm.

Kittacincta malabarica malabarica (Scopoli).

Males were taken : Kunjapani, February 20, 21, W 98.5, 99; Kodur, March 18, W 88 mm.

Turdus simillimus simillimus Jerdon.

Three ♂♂ W 131-134, ♀ 127 mm. taken at Ootacamund, February 14-17.

Turdus simillimus bourdilloni (Seeböhm).

3 ♂♂ W 120-125, 3 ♀♀ 125-129 mm., taken at Kodaikanal, March 10-14.

Turdus simillimus mahrattensis Kinnear and Whistler.

Two ♀♀ W 120, 121 mm., taken at Nilambur, March 3, 4.

Turdus simillimus spencei Kinnear and Whistler.

♂ W 130.5 mm., taken on Mahendra Giri, January 24.

Turdus unicolor Tickell.

A ♀ W 118 mm., was taken on Mahendra Giri, January 23.

Geokichla citrina cyanotus (Jardine and Selby).

A ♂ W 112 mm., was taken on Mahendra Giri, January 25; at Nilambur, March 3-6, 2 ♂♂ W 109-110, 3 ♀♀, 103-109 mm.

Oreocinchla danma neitgherriensis Blyth.

A ♀ W 127 mm., was taken at Ootacamund, February 16.

Monticola cinclorhyncha (Vigors).

Specimens taken: Mahendra Giri, January 22, 25, 2 ♂♂ W 103, 104, ♀ 101 mm.; Kunjapani, February 19, ♂ W 105, ♀ 100.5 mm.

Monticola solitarius pandoo (Sykes).

Two ♀♀ W 117, 118 mm., were taken on Mahendra Giri, January 24, 25.

Mophonus coeruleus horsfieldii Vigors.

Specimens were taken at Nilambur, March 3.

Muscicapula superciliaris astigma Hodgson.

A ♀ taken on Mahendra Giri, on January 22, W 62 mm. One taken on the 23 and one on the 24, W 59, 61.5 mm., are of the typical race.

Cyornis pallipes pallipes (Jerdon).

Specimens collected: Kunjapani, February 19, 21, 2 ♂♂ W 76.5, 77.5 mm.; Kodaikanal, March 10, 15, 3 ♂♂ W 77-78 mm.

Cyornis rubeculoides rubeculoides (Vigors).

Specimens collected: Kunjapani, February 19, ♂ W 72.5 mm.; Nilambur, March 3, 2 ♂♂ W 72.5, 77 mm.

Eumyias albicaudata (Jerdon).

Specimens taken: Ootacamund, February 14-16, 2 ♂♂ W 79, 81.5, 4 ♀♀ 75-78 mm.; Kodaikanal, March 10-12, ♂ W 82, 2 ♀♀ 76, 78.5 mm.

Eumyias thalassina thalassina Swainson.

Specimens taken: Mahendra, January 23, W 79; Kunjapani, February 19, 20, 2 ♂♂ W 82, 84, ♀ 80 mm.

Alseonax latirostris poonensis (Sykes)

Specimens taken: Kunjapani, February 20, ♂ W 70 mm.; Tellicherry, February 25, 2 ♂♂, W 71.5, 73.5 mm.; Nilambur, March 4, ♂ W 75 mm.

Ochromela nigrorufa (Jerdon).

Common at Ootacamund and Kodaikanal. Four specimens from each locality: W 2 ♂♂ 63, 2 ♀♀ 57, 58; 3 ♂♂ 61-63.5, ♀ 55.5 mm., respectively.

Cuficcapa ceylonensis ceylonensis (Swainson).

Specimens collected: Mahendra Giri, January 25, ♂ W 64 mm.; Ootacamund, February 14, 2 ♂♂ W 64, 67.5, ♀ 60.5 mm.; Kodaikanal, March 10-13, 3 ♂♂ W 60-65, ♀ 60.5 mm.

Tchitrea paradisi paradisi (Linnaeus).

Specimens taken: Kunjapani, February 20, ♂ W 97.5 mm.; Mangalore, March 1, ♀ W 91 mm.; Nilambur, March 5, ♂ W 92.5 mm.

Hypothymis azurea sykesi Stuart Baker.

Specimens taken: Bengasai, January 23-26, 3 ♂♂ W 71, ♀ 68 mm.; Kunjapani, February 19, 20, 3 ♂♂ W 64.5-69.5, ♀ 71 mm.; Mangalore, March 1, ♀ W 70 mm.; Nilambur, March 2-4, 2 ♂♂ W 68, 73, ♀ 70 mm.

Leucocirca aureola compressirostris Blyth.

Two ♂♂ W 80, 86 mm. and a ♀ W 76.5 mm. were taken at Sidhout, March 20-22.

Leucocirca pectoralis vernayi Kinnear and Whistler.

Specimens taken: Mahendra Giri, January 23, 24, ♂ W 77, ♀ 72.5 mm.; Kodur, March 18, ♀ W 70.5 mm.; Hospet, March 25, ♀ W 70.5 mm.

Lanius vittatus Valenciennes.

Specimens taken: Rati, January 27, 30, ♂ W 87, ♀ 84.5 mm.; Cuddapah, March 20, ♀ W 81.5 mm.; Sidhout, March 21-23, 4 ♂♂ W 82.5-87, 2 ♀♀ 83, 84 mm.

Lanius schach caniceps Blyth.

Specimens taken breeding: Ootacamund, February 15-17, 3 ♂♂ W 88-97, ♀ 93 mm.; Kodaikanal, March 10, 2 ♀♀ W 87, 90.5 mm.; Nilambur, March 3, 4, 2 ♂♂ W 91.5, 92.5 mm. Other specimens: Kodur, March 18, ♂ W 91 mm.; Sidhout, March 22, ♂ W 92 mm.; Hospet, March 24, 25, ♂ W 88.5, 2 ♀♀ 88, 93.5 mm. This is a well-marked race.

Lanius cristatus cristatus Linnaeus.

Specimens taken: Nilambur, March 3, 4, ♂ and ♀ W 87 mm.; Kodaikanal, March 11, ♂ W 86 mm.

Lanius cristatus phoenicuroides (Schalow).

A specimen was taken on Mahendra Giri, January 23, ♂ W 86.5; and at Bengasai, January 26, ♀ W 83.5 mm.

Lanius excubitor lahtora (Sykes).

Specimens taken: Cuddapah, March 19, ♀ W 106.5 mm.; Sidhout, March 21, 22, 2 ♂♂ W 106.5, 107.5 mm.

Hemipus picatus picatus (Sykes).

At Ootacamund on February 14, 15, were taken 3 ♂♂ W 63, 2 ♀♀ 63, 65 mm. (one female laying); and at Kunjapani, February 19, a male W 63 mm.

Tephrodornis gularis sylvicola Jerdon.

Specimens taken: Kunjapani, February 19, 21, 2 ♂♂ W 116, 117, 2 ♀♀ 116 mm.; Nilambur, March 3, ♀ W 121 mm.

Tephrodornis pondicerianus pondicerianus (Gmelin).

Specimens taken: Kodur, March 19, ♂ W 84 mm.; Cuddapah, March 20, ♀ W 84 mm.; Sidhout, March 22, ♂ W 86, 2 ♀♀ 84, 85.5 mm.; Hospet, March 24, ♂ W 87 mm.

Tephrodornis pondicerianus warci Koelz.

Two ♂♂ W 86.5, 89 mm., in rather worn plumage taken at Mangalore on March 1, appear to be of this form.

Pericrocotus flammeus (Forster).

At Kunjapani, February 19, 20, were taken 4 ♂♂ W 92-93, ♀ 93 mm.

Pericrocotus cinnamomeus cinnamomeus (Linnaeus).

A pair was taken at Kunjapani, February 19, 20, W 71, 69 mm.

Pericrocotus cinnamomeus malabaricus (Gmelin).

At Nilambur, March 3, 5, were taken ♂ W 71, 2 ♀♀ 68, 71 mm.

Pericrocotus cinnamomeus sidhoutensis Koelz.

Specimens taken: Kodur, March 18, ♂ W 65.5, ♀ 65 mm.; Sidhout, March 21-23, 3 ♂♂ 65.5-67, ♀ 65.5 mm.

Lalage sykesi sykesi Strickland.

Specimens taken: Ootacamund, February 14, ♂ W 103 mm.; Nilambur, March 3, ♀ W 102.5, March 5, ♂ 98.5 mm.; Kodur, March 18, 19, 2 ♂♂ W 104, 105.5 mm.; Sidhout, March 21, 22, ♂♀ W 102, 104 mm.; Hospet, March 25, ♂ W 103 mm.

Graucalus javensis macei Lesson.

A female W 163 mm., was taken at Mandasa on January 21; and a male W 159, 2 ♀♀ 157, 159 mm., at Kunjapani, February 19, 20.

Dicrurus macrocercus peninsularis Ticehurst.

A female W 134 mm., was taken March 1 at Mangalore; and a pair March 21, 22, W 146, 137 mm., at Sidhout.

Dicrurus coerulescens coerulescens (Linnaeus).

A female W 121 mm., was taken at Kunjapani, February 19.

Dicrurus longicaudatus longicaudatus (Jerdon).

Specimens taken: Mahendra Giri, January 23, 24, 4 ♂♂ W 137.5-144 mm.; Kunjapani, February 14, 21, ♂ W 136 mm.

Chaptia aenea malayensis Blyth.

Four ♂, W 115.5-121 mm., were taken at Kunjapani on February 20; and one at Nilambur, March 2, W 118.5 mm.

Bissemurus paradiseus malabaricus (Latham).

A male was taken at Nilambur, February 23, W 155 mm.

Acrocephalus dumetorum Blyth.

Specimens taken: Mahendra Giri, January 23, 24, 2 ♂♂, ♀; Bengasai, January 26, ♀; Rati, January 29, ♀; Ootacamund, February 16, 2 ♂♂, ♀; Kunjapani, February 19, 20, 2 ♀♀; Nilambur, February 23, March 2 and 3, 4 ♀♀; Kodaikanal, March 10, 11, ♂♀.

Acrocephalus agricola agricola Jerdon.

A female W 60 mm., was taken at Ellore, February 2.

Orthotomus sutorius sutorius (Forster).

Specimens taken: Kunjapani, February 19, 21, 3 ♂♂. Two males taken at Nilambur, March 2, 5 are intermediate with the next.

Orthotomus sutorius londae Koelz.

3 females taken at Mangalore, March 1; a male taken at Kodur, March 18; a female at Cuddapah, March 20; and 3 ♂♂ on Mahendra Giri, January 25, 26 are near this form.

Franklinia gracilis gracilis (Franklin).

Specimens collected: Bengasai, January 22, ♂ W 48 mm.; Kunjapani, February 20, ♀ W 44 mm.; Kodur, March 18, ♂♀, W 47, 45 mm.

Phragmaticola aedon aedon (Pallas).

Specimens taken: Bengasai, January 26, ♂ W 87 mm.; Nilambur, February 23, March 5, 2 ♀♀ W 80 mm.

Hippolais caligata rama (Sykes).

At Kodur, on March 18, were taken 2 males W 61 mm., 2=6-7; at Sidhout, March 22, ♂ W 56.5 mm., 2=7-8.

Sylvia hortensis jerdoni Blyth.

A male was taken at Rati on January 28.

Phylloscopus affinis (Tickell).

At Ootacamund, February 14-16, were taken 2 ♂♂ W 60, 61, 3 ♀♀ 55-61.5 mm.; and at Kodaikanal, March 11, a ♂ W 55.5 mm.

Phylloscopus inornatus humei (Brooks).

4 specimens taken on Mahendra Giri, January 24.

Phylloscopus nitidus nitidus Blyth.

A specimen was taken March 1 at Mangalore, W 64 mm.

Phylloscopus nitidus viridanus Blyth.

2 ♂♂ W 59, 60.5, ♀ 59 mm., were taken on Mahendra Giri, January 23, 24; and a ♂ W 63 mm., at Kodaikanal, March 10.

Phylloscopus magnirostris Blyth.

Two specimens were taken at Ootacamund, February 14, 15.

Phylloscopus occipitalis occipitalis (Blyth).

Specimens taken: Mahendra Giri, January 24, ♂; Kunjapani, February 19, ♂; Kodaikanal, March 12, ♂.

Scircercus burkii burkii (Burton).

A male was taken on Mahendra Giri, January 23.

Prinia socialis socialis Sykes.

Specimens were taken: Ellore, February 2, ♀ W 45.5 mm.; Sidhout, March 22, ♂ W 47, 2 ♀♀ 45, 47 mm.; Hospet, March 25, ♂ W 49.5 mm.

Prinia sylvatica sylvatica Jerdon.

Two males were taken at Sidhout, March 22, W 56, 60 mm.

Pridia sylvatica palmiensis Koelz.

Three specimens were taken at Ootacamund, February 15, 16; and 3 at Kodaikanal, March 11-14.

Prinia sylvatica mahendrac Koelz.

3 specimens were taken on Mahendra Giri, January 23-25.

Prinia inornata inornata Sykes.

Specimens were taken: Ellore, February 2, ♀ W 45.5 mm.; Sidhout, March 21, 22, ♂ W 49.5, ♀ 46 mm.

Prinia inornata franklinii (Blyth).

A female W 53 mm., was taken at Kodaikanal on March 11.

Irena puella puella (Latham).

A male W 131 mm., was taken February 21 at Kunjapani.

Oriolus oriolus kundoo Sykes.

Specimens taken: Kunjapani, February 20, ♂ W 141 mm.; Nilambur, March 5, ♀ W 141 mm.; Sidhout, March 20, 21, 2 ♂♂ W 140, 142 mm.; Cuddapah, March 20, ♂ W 137 mm.

Oriolus chinensis diffusus Sharpe.

Specimens taken: ♂ W 151 mm., at Rati on January 29; ♀ W 153.5 mm., at Nilambur, March 5.

Oriolus xanthornus maderaspatanus Franklin.

Specimens collected: Mahendra Giri, January 23, ♀ W 129 mm.; Bengasai, January 26, ♂♀, 137, 128 mm.; Sidhout, March 22, ♂ 132 mm.

Temenuchus pagodarum pagodarum (Gmelin).

Specimens taken: at Saba, January 27, ♂ Mandasa, January 30, ♂; Nilambur, March 3, 5, ♂ breeding, ♀; at Cuddapah, March 19, ♀; Sidhout, March 21, 22, 3 ♂♂, 4 ♀♀; Hospet, March 25, ♂.

Aethiopsar fuscus maharattensis (Sykes).

A male W 129 mm., was taken at Ootacamund, February 16; and a female W 124 mm., at Kodaikanal on March 10.

Lonchura striata (Linnaeus).

Three specimens taken at Mahendra, January 25, 26 are rather intermediate between the typical race and *acuticauda*. One taken at Kunjapani on February 20 is a juvenile and its status isn't clear. A female taken at Nilambur on March 2 appears to be *estriata*.

Lonchura malabarica (Linnaeus).

Three specimens were taken at Kodur on March 18.

Lonchura punctulata lineoventer (Hodgson).

A male was taken from a flock at Hospet, March 25.

Erythrina erythrina roseata (Blyth).

Specimens taken: Mahendra Giri, January 24, ♂♀, W 85 mm.; Ootacamund, February 14, ♂♀, W 86.5, 81.5 mm.; Kodaikanal, March 10, ♂ W 87 mm.

Gymnoris xanthocollis xanthocollis (Burton).

Three breeding specimens taken at Nilambur, March 4.

Passer domesticus indicus Jardine and Selby.

A male was taken at Ootacamund on February 18; and at Cuddapah March 20.

Riparia rupestris Scopoli.

A ♂ W 132.5 mm., was taken on Mahendra Giri on January 23.

Riparia concolor (Sykes).

A male was taken on Mahendra Giri, January 24, W 108.5 mm.; and a female at Hospet on March 24, W 105 mm.

Hirundo rustica gutturalis Scopoli.

A female was taken at Ellore, February 2, and at Sidhout, March 22, W in both 111 mm.

Hirundo javanica domicola Jerdon.

A female was taken at Ootacamund, February 16, W 105 mm.

Hirundo smithii filifera Stephens.

A male W 107 mm., was taken at Hospet, March 24.

Hirundo daurica nipalensis Hodgson.

Two specimens were taken at Bengasai, January 26.

Motacilla alba dukhunensis Sykes.

2 ♀♀ were taken at Kasargod, February 27, W 85 mm.

Motacilla maderaspatensis maderaspatensis Gmelin.

A male was taken at Nilambur, March 4.

Motacilla cinerea caspica (Gmelin).

A ♀ was taken at Ootacamund, February 15.

Anthus hodgsoni inopinatus Hartert and Steinbacher.

Specimens taken : Mahendra, January 24, 2 ♂♂ ; Ootacamund, February 14, 16, pair ; Kodaikanal, March 14, ♂, 2 ♀♀.

Anthus alghiriensis Sharpe.

Specimens taken : Ootacamund, February 16, 2 ♀♀ W 75, 76.5 mm. ; Kodaikanal, March 10, 14, 5 ♂♂ W 77-81 mm. ; 4 ♀♀ W 73-77 mm.

Anthus campestris godlewskii (Taczanowski).

Specimens taken ; Rati, January 27, ♀ W 90.5 mm. ; Tellicherry, February 25, 2 ♀♀ W 86.5, 88 mm. ; Kodur, March 18, ♂♀, W 91, 87 mm.

Anthus rufalus malayensis Eyton.

Specimens taken : Mahendra Giri, January 24, pair ; Rati, January 28, 30, pair ; Ellore, February 2, ♂ ; Ootacamund, February 14, 16, 2 ♂♂, ♀ ; Kasargod, February 27, 2 ♂♂ ; Nilambur, March 4, ♀ ; Kodaikanal, March 14, ♂ ; Hospet, March 24, ♀.

Alaudo gulgula australis Brooks.

Specimens taken : Ootacamund, February 15, 16, 2 ♂♂ W 96, 102, ♀ W 90 mm. ; Kodaikanal, March 10-14, 4 ♂♂ 95, 2 ♀♀ W 89, 90 mm.

Calandrella brachydactyla dukhunensis (Sykes).

9 ♂♂, 2 ♀♀, mostly molting, were taken at Ellore, February 2.

Mirafra cantillans bangsi Koelz.

4 specimens taken at Hospet, March 25.

Mirafra affinis Jerdon.

Specimens taken : Bengasai, January 27, 2 ♂♂ W 83, 84.5 mm. ; Kasargod, February 27, 2 ♂♂ W 84, 86 mm. ; Mangalore, March 1, ♂ W 84.5 mm. ; Nilambur, March 5, ♂ W 89 mm.

Galerida malabarica malabarica (Scopoli).

4 specimens were taken at Tellicherry, February 25 ; and one at Mangalore, March 1.

Ammodramus phoenicura phoenicura (Franklin).

Specimens taken : Ellore, February 2, 2 ♂♂ W 107, 110, ♀ 100 mm. ; Kodur, March 18, ♂ W 105 mm. ; Sidhout, March 22, ♀ W 102 mm. ; Hospet, March 25, ♀ W 107 mm.

Eremopterix grisea grisea (Scopoli).

Specimens taken : Mandasa, January 21, 3 ♂♂ W 75-78.5, 2 ♀♀ 75 mm. ; Ellore, February 2, 2 ♂♂ W 74, ♀ 74 mm. ; Coimbatore, February 11, ♂ W 76,

2 ♀ 73 mm.; Kodur, March 18, 5 ♂♂ W 73-77, 2 ♀ 74 mm.; Sidhout, March 21 juvenile; Hospet, March 24, ♂ W 76.5 mm.

Zosterops palpebrosa palpebrosa Temminck and Schlegel.

Three males were taken on Mahendra Giri on January 24.

Zosterops palpebrosa nilgirensis Ticehurst.

At Ootacamund, February 14, 16, 2 ♂♂ and a ♀ were taken; at Kunjapani, February 20, 3 ♂♂.

Zosterops palpebrosa palniensis Koelz.

5 specimens were taken at Kodaikanal on March 11, 12.

Cinnyris lotenia (Linnaeus).

2 ♂♂ were taken at Nilambur, March 2, 4.

Cinnyris asiatica brevirostris (Blanford).

A male was taken at Sidhout, March 22.

Cinnyris minima (Sykes).

A pair was taken at Kunjapani, February 19; and 3 ♂♂ at Nilambur, March 2-5.

Cinnyris zeylonica (Linnaeus).

Specimens taken: Mahendra, January 22, 26, ♂♀; Tellicherry, February 25, ♂; Kasargod, February 27, ♂; Nilambur, March 2-4, 3 ♂♂, ♀; Kodur, March 18 ♀; Sidhout, March 22, ♂, Hospet, March 25, ♂.

Dicaeum concolor concolor Jerdon.

5 specimens were taken at Ootacamund, February 16; 5 at Kunjapani, February 19, 20; 7 at Kodaikanal, March 10-15.

Dicaeum erythrorhynchos erythrorhynchos (Latham).

Specimens taken: Mahendra, January 22, 23, 2 ♂♂; Mangalore, March 1, ♂, 2 ♀♀; Kodur, March 18, pair; Hospet, March 25, ♀.

Piprisoma agile saturatior Koelz.

Two males, taken at Kunjapani, February 19, are near this form.

Pitta brachyura brachyura (Linnaeus).

Specimens were taken: Mangalore, March 1, 2 ♂♂ W 104, 108 mm.; Nilambur, March 4, ♂ 108 mm.

Picus chlorolophus chlorigaster (Jerdon).

Specimens taken: at Kunjapani, February 19, 20, 2 ♂♂, ♀; at Nilambur, March 3, ♀.

Dryobates mahrattensis mahrattensis (Latham).

A male W 103.5 mm., was taken at Kunjapani on February 19.

Dryobates hardwickii hardwickii (Jerdon).

At Kunjapani a ♂ was taken February 20, a ♀ on the 21st; at Nilambur a ♂ on March 5.

Brachypternus benghalensis puncticollis (Malherbe).

A male was taken at Mahendra on January 22.

Brachypternus benghalensis tehminae Whistler.

A female was taken at Mangalore, March 1.

Chrysocolaptes guttacristata socialis Koelz.

At Kunjapani, February 19-21, were taken ♂, 2 ♀♀.

Hemicircus canente cordatus Jerdon.

A pair was taken at Nilambur, March 5.

Vivia innominatus innominatus (Burton).

2 ♂♂, taken at Mahendra on January 22, 23, are near the typical form.

lynx torquilla.

A female taken on Mahendra Giri, January 25, is like most Indian birds I have seen, intermediate between the typical race and *japonica*.

Thereiceryx viridis (Boddaert).

Specimens taken: Ootacamund, February 16, 2 ♀♀, W 99, 100.5; Kunjapani, February 19, 20, 2 ♂♂ W 104, 109, ♀ 107 mm.; Pittambi, February 23, ♂ W 102 mm.; Tellicherry, February 25, ♂ W 99 mm.; Mangalore, March 1, ♂ W 99 mm.; Nilambur, March 5, ♂ W 93.5 mm.

Xantholaema haemacephala indica (Latham).

Specimens taken: Bengasai, January 26, ♂; Kunjapani, February 19, ♀; Kodur, March 19, pair.

Hierococcyx sparveroides (Vigors).

A ♂ was taken at Ootacamund on February 16.

Hierococcyx varius (Vahl).

Specimens taken: Ootacamund, February 14, ♂ W 191.5 mm.; Kunjapani, February 19, 20, 3 ♀♀ W 183-190 mm.; Nilambur, February 23, 2 ♂♂ 184, 195 mm.

Cacomantis merulinus passerinus (Vahl).

A male was taken at Kunjapani, February 21, W 107 mm.

Penthoceryx sonneratii sonneratii (Latham).

A ♂ was taken at Bengasai on January 26, W 126 mm.

Eudynamis scolopaceus scolopaceus (Linnaeus).

A ♂ was taken at Rati on January 27; and a ♀ at Nilambur, March 5.

Rhopodytes viridirostris (Jerdon).

Two ♂ were taken at Nilambur, March 3, 6.

Centropus sinensis parroti Stresemann.

A male was taken at Saba on January 27; and a ♀ at Rati on the 29th.

Psittacula krameri manillensis (Bechstein).

A ♂ was taken at Cuddapah, March 20, W 165 mm.

Psittacula cyanocephala cyanocephala (Linnaeus).

Specimens taken: Mahendra, January 25, ♂; Kunjapani, February 20, ♀; Nilambur, February 23, ♂.

Psittacula columboides (Vigors).

A specimen was taken at Kunjapani, February 20.

Coryllis vernalis rubropygius Stuart Baker.

A male was taken at Kunjapani on February 20.

Coracias benghalensis indica Linnaeus.

A male was taken at Nilambur, March 5, and at Hospet, March 24.

Eurystomus orientalis orientalis (Linnaeus).

A male was taken at Nilambur, March 5.

Merops orientalis orientalis Latham.

Specimens taken: Mahendra, January 26, ♀; Rati, January 30, ♀; Sidhout, March 22, ♂.

Merops superciliosus javanicus Horsfield.

A female was taken at Ellore, February 2; and at Kasargod on the 27th.

Merops leschenaulti leschenaulti Vieillot.

Two ♂♂ were taken at Kunjapani on February 19; and one at Nilambur, March 3.

Alcemerops albertoni albertoni (Jardine and Selby).

A pair was taken at Kunjapani on February 20.

Ceryle rudis leucomelanura Reichenbach.

A ♀ was taken at Palasa on January 30.

Ceryle rudis travancoreensis Whistler.

A ♀ was taken at Nilambur on March 4.

Tockus birostris birostris (Scopoli).

Specimens taken: Saba, January 27, pair; Rati, January 28, pair; Hospet, March 24, ♀.

Tockus griseus griseus (Latham).

Two ♂♂ were taken at Nilambur, February 23, March 3.

Harpactes fasciatus malabaricus (Gould).

Two ♂♂ were taken at Kunjapani, February 20; and a ♂ and 2 ♀♀ at Nilambur, March 2-6.

Harpactes fasciatus lege rli Koelz.

A male was taken at Mahendra on January 22.

Tachornis parvus batasiensis (Gray).

A male was taken at Rati on January 29, W 110 mm.; at Kunjapani on February 19, ♀ W 120. On 20th, ♂ 115 mm.

Caprimulgus macrourus atripeanis Jerdon.

A male was taken at Kunjapani, February 20, W 179 mm.; and at Nilambur on February 23, ♂ W 175; on March 5, ♀ W 166 mm.

Caprimulgus asiaticus asiaticus Latham.

Specimens taken: Bengasai, January 26, 2 ♂♂ W 150, 151.5 mm.; Sidhout, March 22, ♂ W 141, ♀ 146.5 mm.

Strix indrancee indrancee Sykes.

A male was taken at Kunjapani, February 19, W 325 mm.; and one at Nilambur, March 3, W 328 mm.

Bubo bengalensis (Franklin).

A male W 351 mm., was taken at Sidhout on March 22.

Athene brama brama (Temminck).

A female W 157 mm., was taken at Saba on January 27.

Glaucidium radiatum malabaricum Sharpe.

At Nilambur, February 23, March 4-6, were taken 3 ♂♂ W 123-129, 2 ♀♀ W 127, 131 mm.

Ninox scutulata hirsuta (Temminck).

A male was taken at Nilambur on March 5, W 207 mm.

Falco chicquera chicquera Daudin.

A male was taken at Cuddapah, March 20.

Falco tinnunculus objurgatus (Stuart Baker).

A male was taken at Ootacamund, February 15; and a ♀ at Hospet, March 25.

Limnaëtops cirrhatus cirrhatus (Gmelin).

A female was taken at Bengasai, January 26, W 422 mm.

Butastur teesa (Franklin).

A female W 282 mm., Rati, on January 29.

Circus macrourus (Gmelin).

9 male W 338 mm.; was taken at Rati on January 29.

Accipiter badius dussumieri (Temminck).

Two females W 197, 201 mm., were taken at Sidhout, March 22.

Accipiter virgatus besra Jerdon.

A male in immature plumage was taken at Ootacamund, February 16, W 156 mm.

Pernis cristatus ruficollis (Lesson).

Specimens taken: Kunjapani, February 20, ♂ W 420 mm.; Mangalore, March 1, ♀ W 421 mm.; Nilambur, March 5, ♂ W 375 mm.

Treron phoenicopterus chlorigaster (Blyth).

2 ♀♀ taken at Mahendra on January 22, are near this form.

Treron bicincta bicincta (Jerdon).

A male was taken January 25 at Mahendra.

Columba elphinstonii (Sykes).

A male was taken at Ootacamund, February 16.

Streptopelia decaocto decaocto (Frivaldsky).

A male was taken at Kodur on March 18, W 169 mm.; and at Sidhout on the 21st, W 165 mm.

Gallus gallus gallus (Linnaeus).

A female was taken on Mahendra Giri on January 24, W 210 mm.; common

Gallus sonneratii Temminck.

Specimens taken: Ootacamund, February 14, 16, pair; Nilambur, March 3, 2 ♀♀; Kodaikanal, March 14, ♀.

Galloperdix spadicea spadicea Gmelin.

Specimens taken: Mahendra, January 25, 2 ♂♂ W 150, 157 mm.; Nilambur, March 3-6, 2 ♂♂ W 149, 152, 2 ♀♀ 141, 149 mm. and a juvenile.

Perdica astatica asiatica (Latham).

A pair, taken at Bengasai on January 26, are probably of this race.

Metopidius indicus Latham.

A male was taken at Mandasa on January 26.

Charadrius dubius curonicus Gmelin.

A ♀ W 120 mm., was taken at Rati, January 28.

Lobipluvia malabarica (Boddaert).

A male was taken at Sidhout on March 22.

Scelopax rusticola indica Hodgson.

A specimen was taken at Ootacamund on February 16.

Capella gallinago (Linnaeus).

A ♂ was taken at Kasargod, February 27.

Egretta alba modesta (Gray).

A ♂ W 364 mm., was taken at Ellore on February 2.

Butorides striatus abboti Oberholser.

A male W 171 mm., was taken at Nilambur, March 4.

Nettapus coromandellianus coromandellianus Gmelin.

Four specimens were taken at Ellore on February 2.

Anas querquedula Linnaeus.

Two males were taken at Ellore on February 2.